

L4 ANSWER 26 OF 52 CA COPYRIGHT 2003 ACS
 AN 86:91877 CA
 TI Binders for inorganic **zinc** powder paints
 IN Matsui, Mikio; Kutsuma, Hidekazu
 PA Kansai Paint Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
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 DT Patent
 LA Japanese
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| PI | JP 51150533 | A2 | 19761224 | JP 1975-75197 | 19750619 |
| | JP 57031752 | B4 | 19820706 | | |
| PRAI | JP 1975-75197 | | 19750619 | | |

AB Binders for powd. Zn paints were prepd. by dissolving Zn or Zn compds. in aq. soln. of silicates ($\text{Na}_2\text{O} \cdot n\text{SiO}_2$ or $\text{K}_2\text{O} \cdot n\text{SiO}_2$, $n = 1-3.5$) to Zn- Na_2O or Zn- K_2O **molar ratio** .apprx.0.005-0.4 and mixing with **silica** to SiO_2 - Na_2O or SiO_2 - K_2O **molar ratio** .apprx.3.5-5. Thus, 4.1 g ZnO was dissolved in 811 g aq. K **silicate** (41.degree.Be) at 100.degree. and mixed with 689 g aq. 7% colloidal **silica** at 100.degree. to prep. a binder.
 ST powd **zinc** paint binder; **silicate** binder **zinc** paint